


USGS NSF GRIP Opportunity

● USGS Center:	National Climate Change and Wildlife Science Center (NCCWSC)
● Project Title:	Prioritization of Inland Fish Conservation Efforts in North America
● Project Hypothesis or Objectives:	The key objective of this fellowship is to prioritize inland fish management and conservation efforts in light of present and future climate change and limited resources to conserve and manage fish populations according to management targets (study system to be determined based on NCCWSC research priorities and applicant's previous experience). Another objective of this fellowship is to translate science into action by effectively communicating prioritization results to managers and working with them to develop future implementation plans to manage the highest priority fish populations and fish habitats.
● Duration:	9-12 months
● Internship Location:	Reston, VA
● Area of Discipline:	Fisheries Biology, Ecology, Climate Science
● Expected Outcome:	This research and intended results will have a direct impact on fulfilling USGS NCCWSC and DOI Climate Science Centers (CSC) mission and will inform research projects and management efforts, currently tied to understanding climate change impacts to fish and their habitat. NCCWSC is dedicated to bringing the best science, tools, and information to managers to use to effectively manage fish and wildlife populations in a changing climate. The fellow will have the opportunity to work closely with other DOI management bureaus such as U.S. Fish and Wildlife Service, Bureau of Reclamation, Bureau of Land Management, Bureau of Indian Affairs, and the National Park Service to bring the best science to bear on decision-making. For more information on NCCWSC and the DOI CSC's please see, https://nccwsc.usgs.gov/
● Special skills/training Required:	Typical tasks include development of scientific approaches to prioritizing inland fisheries management and conservation efforts under climate change and conflicting budgetary and policy priorities. Understanding the needs of management agencies and the ability to

work directly with managers to implement scientific results into action will be important. Excellent technical, analytical, computer, organizational, and problem-solving skills, and ability to develop tools for using research output, such as models, visualizations and other approaches are a key component of this job. Completion of a PhD or M.S. degree in ecology, biology, fisheries, wildlife, forestry or other related earth science discipline. Also degree plans could be in economics, sociology, anthropology or other disciplines that would emphasize interaction with socio-ecological systems.

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1. Research in the area of fisheries management and conservation and impacts of climate change on inland fisheries resources.
 2. Development of a framework, models, tools, visualizations for prioritizing management actions for inland fisheries.
 3. Work with USGS Scientists and University partners to integrate outputs of research into science to action projects ongoing within the DOI CSC network.

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